

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF AN ADVANCED WARNING SIGNAL FOR SOUTH BOUND MD 650. THIS WILL MODIFY THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 650 (NEW HAMPSHIRE AVENUE) AND METZEROTT ROAD IN PRINCE GEORGE'S COUNTY.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA PHASE 4 OPERATION. THE ADVANCED HAZARD IDENTIFICATION BEACON WILL FLASH ALTERNATELY JUST PRIOR TO THE START OF THE GREEN PHASE FOR NEMA 4, AND TURN OFF AT THE START OF NEMA PHASE 2.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. MAJIB SHAKIB, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7358
MR. DENNIS MCMAHON, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (301) 513-7336
MR. RALEIGH MEDLEY, ASSISTANT DISTRICT ENGINEER- MAINTENANCE
PHONE: (301) 513-7304
MR. AUGIE REBISH, UTILITY ENGINEER
PHONE: (301) 513-7350
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
9547	FLAT SHEET ALUMINUM SIGNS CONSISTING OF: 1 EA W3-3(2) (120" X 60")	SF	50

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

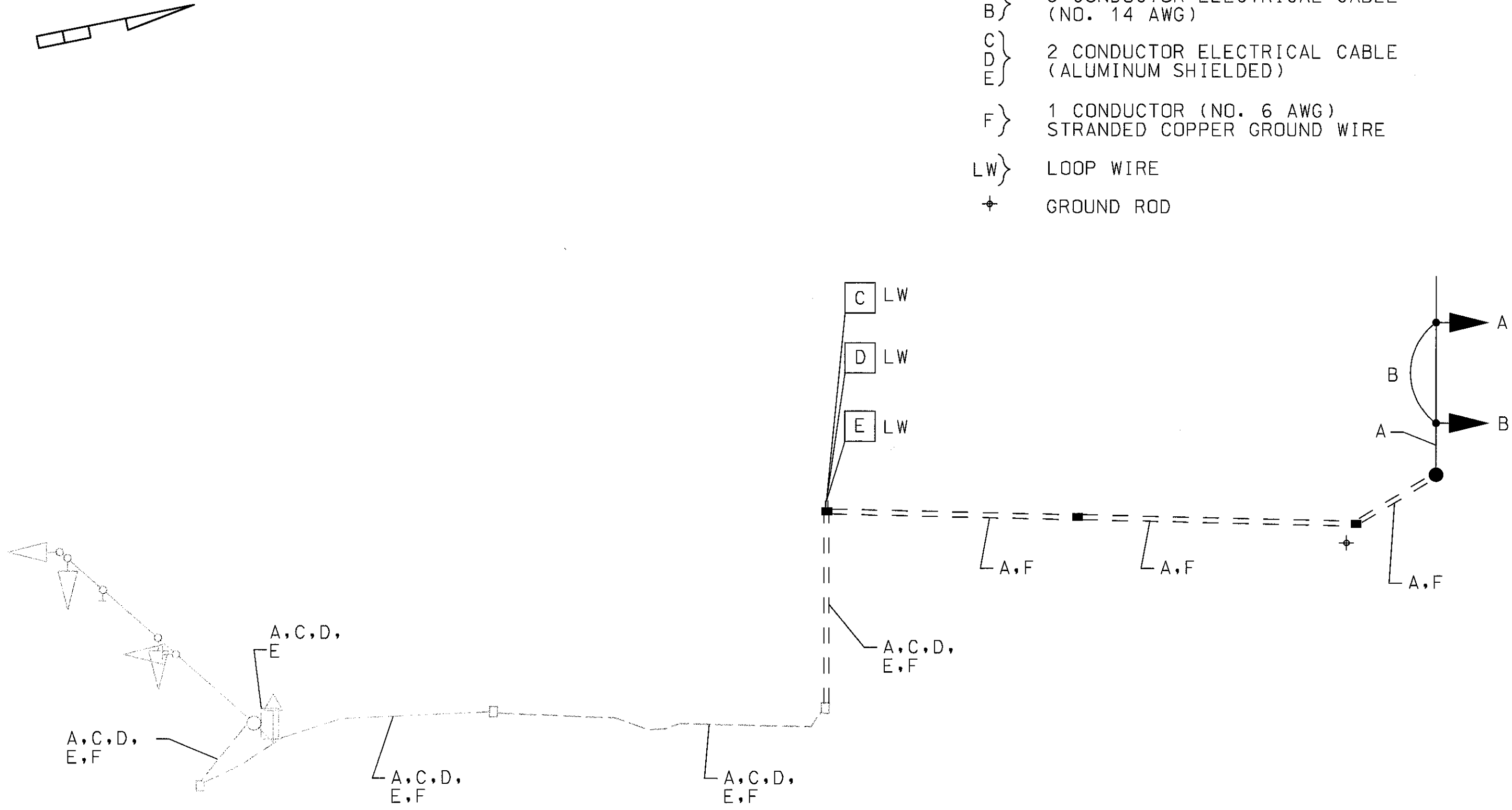
CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC	EA	1
2002	TEST PIT EXCAVATION	CY	1
8001	CONCRETE FOR SIGNAL FOUNDATION	CY	3
8029	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	665
8038	3 INCH SCHED. 80 PVC CONDUIT-TRENCHED	LF	300
8042	4 INCH SCHED. 80 PVC CONDUIT-SLOTTED	LF	45
8043	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE	LF	30
8052	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	3
8055	INSTALL OVERHEAD SIGN	SF	50
8063	STEEL POLE WITH A SINGLE 60 FOOT MAST ARM	EA	1
8073	GROUND ROD - 3/4 INCH DIA. X 10 FOOT LENGTH	EA	1
8075	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	2
8078	CUT CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE	EA	1
8080	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)	LF	1080
8083	ELECTRICAL CABLE 5 CONDUCTOR (NO. 14 AWG)	LF	700
8086	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)	LF	300
8087	SAW CUT FOR SIGNAL (LOOP DETECTOR)	LF	145

C. EQUIPMENT TO BE SALVAGED AND RETURNED TO SHA.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
	NONE		

WIRING DIAGRAM

- KEY
- A } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
 - B } 2 CONDUCTOR ELECTRICAL CABLE (ALUMINUM SHIELDED)
 - C } 1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE
 - LW } LOOP WIRE
 - + } GROUND ROD



PHASE CHART

	1	2	3	4	5	6	7	8	9	10
	(R) (Y) (G)	(R) (Y) (G)	(Y)	(Y)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)
PHASE 2 AND 5	R	R	DARK	DARK	GG	G	R	R	DW	DW
2 AND 5 CHANGE	R	R	DARK	DARK	YG	G	R	R	DW	DW
PHASE 2 AND 6	G	G	DARK	DARK	G	G	R	R	DW	DW
2 AND 6 CHANGE	Y	Y	FL/Y	FL/Y	Y	Y	R	R	DW	DW
PHASE 4	R	R	FL/Y	FL/Y	R	R	G	G	DW	DW
4 CHANGE	R	R	FL/Y	FL/Y	R	R	Y	Y	DW	DW
PHASE 4 ALT	R	R	FL/Y	FL/Y	R	R	G	G	WK	WK
PED CLEARANCE	R	R	FL/Y	FL/Y	R	R	G	G	FLDW	FLDW
4 ALT CHANGE	R	R	FL/Y	FL/Y	R	R	Y	Y	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	DARK	DARK	FL/Y	FL/Y	FL/R	FL/R	DARK	DARK

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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION PLAN

MD 650 AT METZEROTT ROAD

DRAWN BY: S. SMITH	F.A.P. NO.	TS NO.	SHEET NO. 2 OF 2
CHECKED BY: S. RENZI	S.H.A. NO.	586 E	
SCALE: 1" = 20'	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO.	
DATE: JUNE 2003	LOG MILE: 16065002.98	F-399	